

What is claimed is:

1. A production method for a solar battery module comprising the steps of:

utilizing a production apparatus including a positioning  
5 belt and a heating belt located adjacent each other in a transferable manner and a press belt extending over the positioning belt and the heating belt in opposed relation to the positioning belt and the heating belt, and adapted to control the heating belt and the press belt at predetermined temperatures;

10 positioning a plurality of solar battery cells and interconnectors required for connection of the solar battery cells on an upstream portion of the positioning belt and transporting the solar battery cells and the interconnectors to a downstream portion of the positioning belt;

15 transferring the solar battery cells and the interconnectors transported to the downstream portion of the positioning belt onto the heating belt while holding the solar battery cells and the interconnectors between the positioning belt and the press belt; and

20 holding the solar battery cells and the interconnectors transferred onto the heating belt between the heating belt and the press belt and soldering the interconnectors to the solar battery cells while transporting the solar battery cells and the interconnectors.

25 2. A solar battery module production method as set forth in

claim 1, wherein at least a surface of the positioning belt is composed of a resin.

3. A solar battery module production apparatus to be used for a solar battery module production method as recited in claim 1,  
5 the production apparatus comprising:

a positioning belt and a heating belt located adjacent each other in a transferable manner; and

a press belt extending over the positioning belt and the heating belt in opposed relation to the positioning belt and the  
10 heating belt;

wherein the heating belt and the press belt are each controlled at a predetermined temperature.

4. A solar battery module production apparatus as set forth in claim 3, wherein at least a surface of the positioning belt is  
15 composed of a resin.

5. A production method for a solar battery module comprising the steps of:

utilizing a production apparatus including a heating belt and a press belt disposed in opposed relation and a resilient  
20 member which biases the heating belt and the press belt toward each other, and adapted to control the heating belt and the press belt at predetermined temperatures;

holding a plurality of solar battery cells and interconnectors required for connection of the solar battery cells  
25 between the heating belt and the press belt in a properly

positioned state; and

soldering the interconnectors to the solar battery cells while transporting the solar battery cells and the interconnectors.

6. A solar battery production method as set forth in claim 5,  
5 wherein the resilient member is a leaf spring.

7. A solar battery module production apparatus to be used for a solar battery module production method as recited in claim 5, the production apparatus comprising:

a heating belt and a press belt disposed in opposed  
10 relation; and

a resilient member which biases the heating belt and the press belt toward each other;

wherein the heating belt and the press belt are each controlled at a predetermined temperature.

15 8. A solar battery module production apparatus as set forth in claim 7, wherein the resilient member is a leaf spring.